REFERENCE

1., A r. Srividya, s.p. Dhanabal, ajit kumar yadav, m.n. Sathish kumar,and v.j. Vishnuvarthan(2012), Phytopreventive antihyperlipidemic activity of *curcuma zedoaria*, Bulletin of pharmaceutical research, 2(1).,22-25.

2., A. Saravanakumar, s. Vanitha, m. Ganesh, j.jayaprakash, n.m. Ramaswamy (2010), Hypolipidemic activity of *sesbania grandiflorain* triton wr 1339 induced hyperlipidemic rats, International journal of phytomedicine, 2., 52-58.

3., American diabetes association. Statistics about diabetes, Data from the national diabetes statistics report, 2014 (released june 10, 2014). Accessed august 22., 2014.

4., Balamurugan g and shantha a(2010), Effect of *erythrina variegata* seed extract on hyperlipidemia elicited by high fat diet in wistar rats,Journal of pharm and bioallied sci,2(4)., 350–355.

5., Bhabani shankar nayak, p. Ellaiah, subas c. Dinda(2012), antibacterial, antioxidant and antidiabetic activities of *gmelina arborearoxb* fruit extracts, international journal of green pharmacy., 224-230.

6., Brahma srinivasa rao desu and ch. Saileela (2013), Anti-hyperlipidemic activity of methanolic extract of *rhinacanthus nasutus*, International journal of research in pharmacy and chemistry, 3(3)., 708-711.

7., Chaouki selles, houria medjdoub, mohammed el amine dib, meriem zerriouh,and boufeldja tabti(2012), Anti-diabetic activity of aqueous root extract of *anacyclus pyrethrum l*. In streptozotocin-induced-diabetic rats, journal of medicinal plants research, 6(16).,3193-3198.

8., Chattopadhyay rr,sarkar ks,ganguly s,banerjee nr,basu kt(1992), Effect of extract of leaves of *vinca rosea linn* on glucose utilization and glycogen deposition by isolated rat hemidiaphragm, Indian j pharmacol, 36(2).,137-138.

9., Chhanda mallick, rajkumar maiti and debidas ghosh (2006), Comparative study on antihyperglycemic and antihyperlipidemic effects of separate and composite extract of seed of *eugenia jambolana* and root of *musa paradisiaca* in streptozotocin-induced diabetic male albino rat, iranian journal of pharmacology & therapeutics, 5., 27-33.

10.,Chinna rr, periyasamy m, muthukumar a, anand g(2013),Antidiabetic and hypolipidemic activity of *monochoria vaginalis presl*on alloxan induced diabetic rats, International journal for pharmaceutical research scholars, 2(3)., 98-102.

11.,Chinyelu c. Osigwe1, peter a. Akah, chukwuemeka s. Nworu, theophine c. Okoye,michel k. Tchimene (2015), Antihyperglycemic studies on the leaf extract and active fractions of *newbouldia laevis* (bignoniaceae), Pharmacology & pharmacy, 6., 518-532.

12.,D. Syiem, p. Warjri (2011), Hypoglycemic and antihyperglycemic effects of aqueous extract of ixeris gracilis dc, On normal and alloxan-induced diabetic mice, Diabetologia croatica, 40-3., 89-95.

13.,David snipelisky, paul ziajka (2012), diabetes and hyperlipidemia, a direct quantitative analysis a direct analysis of the effects of insulin resistance on lipid levels in relation to atherosclerotic coronary artery disease, World journal of cardiovascular diseases, 2., 20-25.

14.,E e jaralds, s b joshi and d c jain (2008), Antidiabetic activity of aqueous extract and non-polysaccharide fraction of *cynodon pers*, Indian journal of experimental biology, 46., 660-667.

15.,Etuk, e.u (2010),Animal's models for studying diabetes mellitus, agriculture and biology, journal of North America, 1(2)., 130-134.

16., Gangadevi t,babu v,subramoniam a (2003),Anti-diabetic activity of ethanol extract of *casssia kleinii* leaf in streptozotocin-induced diabetic rats and isolation of an active fraction and toxicity evaluation of the extract, Indian jounal of pharmacology, 35., 290-296.

17.,Ghalib i hundekari, syeda shahana, m.a.shukoor and nagappa a.n (2013),Antidiabetic activity of aqueous extract of *parkinsonia aculeatain* alloxan induced diabetic rats, with emphasis on diabetic complications, International journal of pharma and bio sciences, 4(4)., 533 – 541.

18.,Govindarajulu geetha, prasanth kalavalarasariel gopinathapillai and veindramuthu sankar (2011),Anti-diabetic effect of *achyranthes rubrofusca* leaf extracts on alloxan induced diabetic rats, Pakistan Journal of Pharma Science, 24(2).,193-199.

19.,harlalka gv, patil cr, patil mr (2007), Protective effect of *kalanchoe pinnata*pers**,***(crassulaceae)* on gentamicin induced nephrotoxicity in rats,Indian Journal of pharmacol, 39(4)., 201-205.

20.,Ijaola t.o, osunkiyesi a. A, taiwo a.a, oseni o.a, lanreiyanda y,ajayi j.o,andoyede r.t (2014), Antidiabetic effect of *ipomoea batatas* in normal and alloxan-induced diabetic rats, journal of applied chemistry, 7(5)., 16-25.

21.,Irshad nomani, mohit kotnala (2013),Evaluation of antidiabetic potentiality of methanolic extract of *wedelia chinensiswhole* plant, international journal of pharmacy and biomedical research, 4(4)., 197-201.

22.,Joshi sr, parikh rm (2007), India - diabetes capital of the world: now heading towards hypertension, J assoc physicians India, 55., 323–334.

23.,Kanakavalli k, thillaivanan s, parthiban p, vijayalakshmi g, sudha m and sutha j(2014), Anti-hyperlipidemic herbs in siddha system of medicine, International journal of pharma sciencesvol, 4, no, 3.,541-545.

24.,Kimani c.n, mbaria j.m, suleiman m, gakuya d, kiama s.g (2015),Anti hyperglycemic activity of *zanthoxylum chalybeum* stem bark extract in diabetic rats, The journal of phytopharmacology, 4(3)., 183-189.

25.,Mal gl, mishra pk and veeru p (2009),Antidiabetic and hypolipidemic activity of *gymnema sylvestre* in alloxan induced diabetic rats,global journal of biotechnology & biochemistry, 4 (1)., 37-42.

26.,Matthias n, a critical assessment of direct measurement of homogenous assays, clinical chemistry., 236-254.

27.,Md. Mahmudul amin, sonali bhakta and shonkor kumar das (2015), Anti-diabetic potential of *ficus racemosa* current state and prospect especially in the developing countries, journal of bioscience and agriculture research, vol, 05, issue 02., 65-72.

28., milind a khandkar, dipak v parmar, mita das, surendra s katyare (1996),Is activation of lysosomal enzymes responsible for paracetamol-induced hepatotoxicity and nephrotoxicity, Journal of pharma and pharmacology,48., 437-440.

29.,Mohamed bnouham, abderrahim ziyyat, hassane mekhfi, abdelhafid tahri, abdelkhaleq legssyer (2006), Medicinal plants with potential antidiabetic activity A review of ten years of herbal medicineresearch (1990-2000), International journal of diabetes & metabolism 14., 1-25.

30., National cholesterol education program (NCEP) executive summary of the third report of the Expert panel on detection, evaluation, and treatment of high blood cholesterol in adults (adult treatment panel iii) [special communication], *Jama* 2001, 285., 2486-2947.

31.,Nyholm b, porsen n, juhl cb, gravholt ch, butler pc, weeke j, veldhuis jd, pincus s, schmitz o (2000),Assessment of insulin secretion in relatives of patients with type 2 (non-insulin dependent) diabetes mellitus, evidnce of early βcell dysfunction. Metabolism. 49., 896-905.

32.,Om prakash, rajesh kumar, ritika srivastava, pragya tripathi, shradha mishra, ajee (2015), Plants explored with anti-diabetic properties, a review, American journal of pharmacological sciences, vol. 3, no. 3., 55-66.

33.,P. A. Akah, s.u. uzodinma and c.e. okolo (2011), Antidiabetic activity of aqueous and methanol extract and fractions of *gongronema latifolium* leaves in alloxan diabetic rats, Journal of applied pharmaceutical science, 01 (09).,99-102.

34.,Pankti p. Dalwadi and pragnesh v. Patani (2014), Anti hyperlipidemic activity of tephrosia purpurea plant extracts in poloxomer 407 induced hyperlipidemic in rats, International journal of pharmacological research, 4(4)., 186-193.

35.,Patil ag, koli sp, patil da, narayane vs, phatak av (2014), Preliminary studies on antihyperglycemic effect of aqueous slurry of *averrhoa carambola l* Fruits in streptozotocin induced diabetic rats, International journal for pharmaceutical research scholars, 4(1)., 684- 695.

36.,Piya kosai, kanitta jiraungkoorskul, wannee jiraungkoorskul (2015), Review of antidiabetic activity of "*rang jeud" thunbergia laurifolia*, Journal of applied pharmaceutical science, 5 (2)., 99-103.

37.,Praveen k. Dixit, suchita mittal (2013), Importance of herbal anti hyperlipidemics in cardiac disorders and hyperglycaemia review at a glance, Journal of drug delivery & therapeutics, 3(4)., 142-150.

38.,Prema veeraraghavan. Expert consultant, cpcsea, OECDguideline. 2000.

39.,Prodyut mondal, niroj bhuyan, sonjit das, mritunjay kumar, sudarshana borah, kabita mahato (2013), International journal of pharmacy and biological sciences, 3(1)., 575-589.

40.,R. Dhanalakshmi, k. Balamurugan, r. Manavalan (2013), Hypolipidemic and antiatherosclerotic activity of some medicinal plants a review, World journal of pharmacy and pharmaceutical sciences, 3 (3)., 328-340.

41.,Rajesh kumar gupta, achyut narayan kesari, geeta watal, p. S. Murthy,ramesh chandra, kapil maithal,and vibha tendon (2005), Hypoglycaemic and antidiabetic effect of aqueous extract of leaves of *annona squamosa (l)* In experimental animal, Current science, 88., 8- 25 .

42.,Rama mohan reddy m, yanadaiah j.p1,ravindra reddy k1,lakshman kumar d, balamuralidhar h (2013), Assessment of antidiabetic activity of ethanol extract of *grewia flavescensjuss* leaves against alloxan induced diabetes in rats, journal of global trends in pharmaceutical sciences, 4(2)., 1086-1090.

43.,Rimi shukla, kiran anand, k.m. prabhu, p. Suryanarayana murthy (1994), Hypoglycaemic effect of the water extract of *ficus bengalensis* in alloxan recovered, mildly diabetic and severely diabetic rabbits, international journal of diabetic development countries,14., 78-81.

44.,S.sivasangari ramya, n. Vijayanand and s.rathinavel (2014),Antidiabetic activity of *cynodon dactylon* Pers , Extracts in alloxan-induced rats, International journal of pharmacy and pharmaceutical sciences,6 (4)., 348-352.

45.,Saba khan,nizam uddin farooqui (2014),Diabetes and phyto medicine. International journal of phyto medicine, 6., 157-161.

46.,Sabu mc,subburaju t (2000), Effect of *cassia auriculata linn* on serum glucose level, glucose utilization by rat hemi diaphragm, Journal of ethnopharmacology, 80., 203-206.

47.,Saghir ahmad jafri, sohail abass and muhammad qasim (2011), Hypoglycemic effect of ginger in alloxan induced diabetic rats (rattus norvagicus),Pakistan veteranary journal, 31(2)., 160-162.

48.,Saikat sen, biplab de, n. Devanna, and raja Chakraborty (2013),Hypoglycemic and hypolipidemic effect of *meyna spinosa* leaves in high fat diet-alloxan induced type 2 diabetic rats, Bangladesh journal of pharmacology, 8., 181-185.

49.,Satyanarayana t, dwarakanadha reddy p, swarnalatha d, anjana a Mathews (2010), Hypoglycemic effect of a poly herbal extract on normal and streptozotocin induced diabetic rats, International journal of pharmacy and pharmaceutical sciences,2(3)., 56-57.

50.,Sharma s, asija r, kumawat r s, chaudhary p, sharma p k (2015), A study of anti-hyperlipidemic activity of marketed formulations of *terminalia arjuna* powder using experimental animal model, Journal of biomedical and pharmaceutical research, 4 (1)., 107-111.

51.,Singh r, sidhu ps, vadhera s, sital js, bhatia s (1980), Extra-cellular invertase of *rhizobium japonicum* and its role in free sugar metabolism in the developing root nodules of *sesbania grandiflora*, Physiologia plantarum,48(4)., 504–508.

52.,Subramanian s, sathishsekar d (2005), Beneficial effects of momordica charantia seeds in the treatement of stz-induced diabetes in experimental animals, Biologycal .pharma bull, 28(6)., 978-983.

53.,Sunil c, latha pg, suja sr, shine vj, shyamal s, anuja gi, sini s rajasekharan s, agastian p, ignacimuthu s, kalichelvan v (2009), Effect of ethanolic extract of *pisonia albaspan*. Leaves on blood glucose levels and histological changes in tissues of alloxan-induced diabetic rats. International journal of applied research in natural products vol., june-july 2(2)., 4-11.

54.,T. Haribabu, Dr. Kalyani divakar, Dr. Divakar goli(2013), Evaluation of anti-diabetic activity of lycopene and its synergistic effect with metformin hydrochloride and glipizide in alloxan induced diabetes in rats, Scholar's academic journal of pharmacy, 2(2).,119-124.

55.,T.Sindhu s.rajamanikandan, p.ragavendran, d.sophia, p.meenakshi, d.durgapriya and v.k.gopalakrishnan (2010),Antidiabetic activity of *mollugo nudicaulisagainst* alloxan induced diabetic rats, International journal of applied biology and pharmaceutical technology, 3 nov-dec.,511-519.

56.,Valeron pf, de pablos-velasco pl (2013), Limitations of insulin-dependent drugs in the treatment of type 2 diabetes mellitus, Medicina clinica; 141., 20-25.

57.,Vineeta tripathi, janeshwer verma (2014), Different models used to induce diabetes a comprehensive review,international journal of pharmacy and pharmaceutical sciences, 6(6)., 29-32.

58., Vivek kumar s, suresh kumar, hitesh jp, shivakumar h (2010),Hypoglycemic activity of *ficus glomarata* in alloxan induced diabetic rats, International journal of pharmaceutical sciences review and research, 1(2)., 18-22.

59.,Vogel G H (2002), Drug discovery and evaluation , 2nd ed. NewYork: springer-verlag berlin Heidelberg, p., 947-1051.

60.,Whiting dr, guariguata l, weil c, shawj (2011). Idf diabetes atlas global estimates of the prevalence of diabetes for 2011 and 2030, Diabetes res clin pract, 94., 311–321.